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# APPLYING

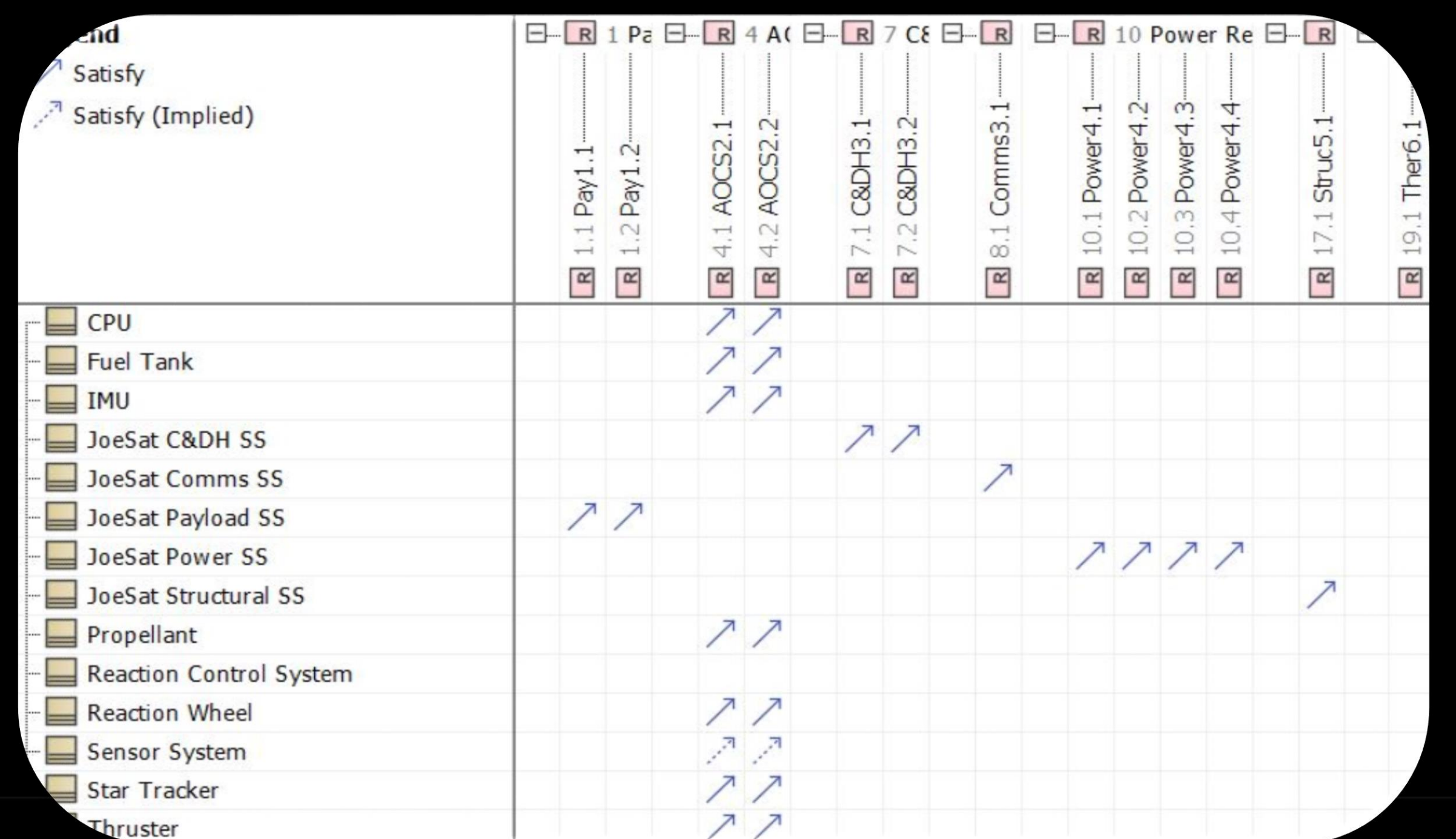
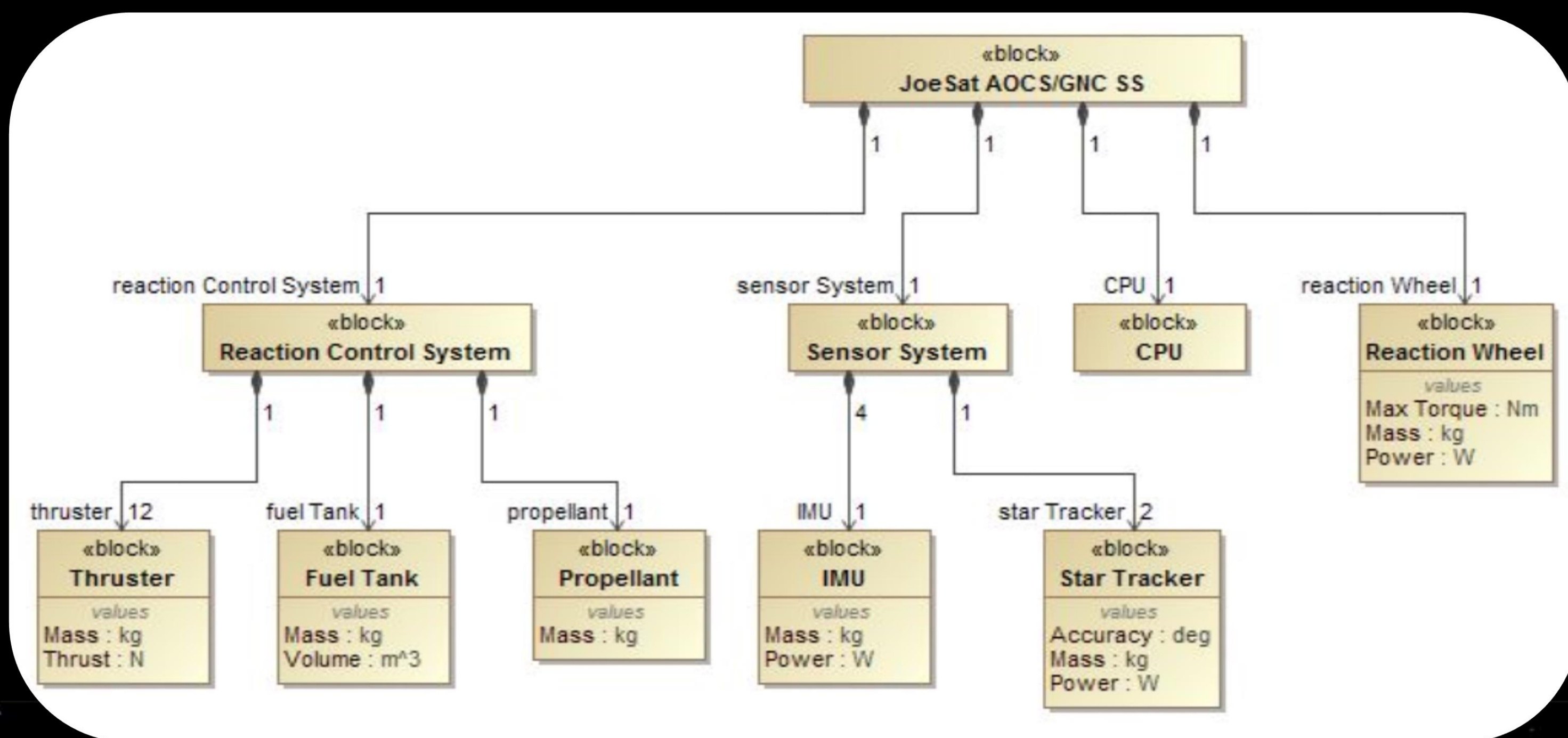
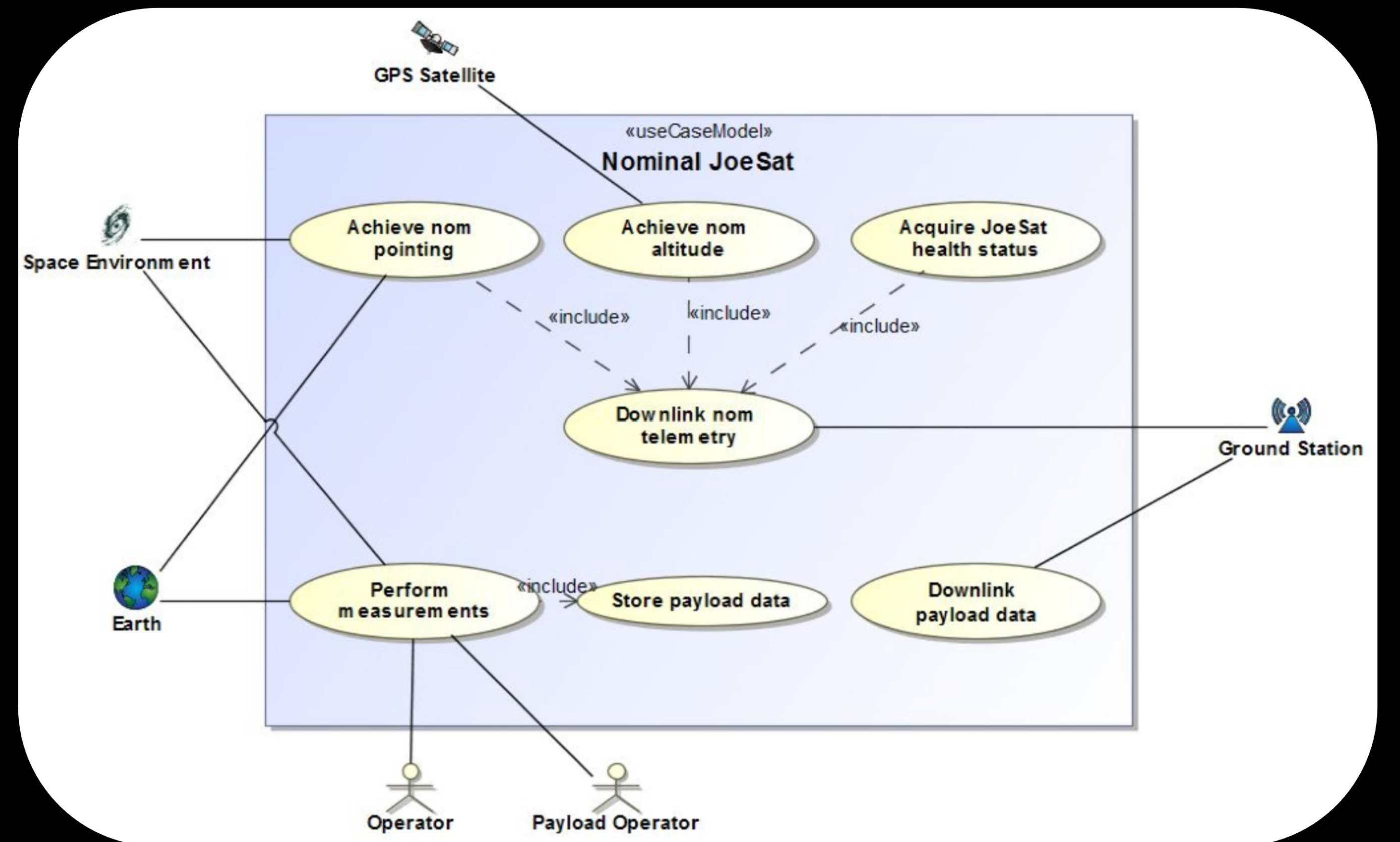
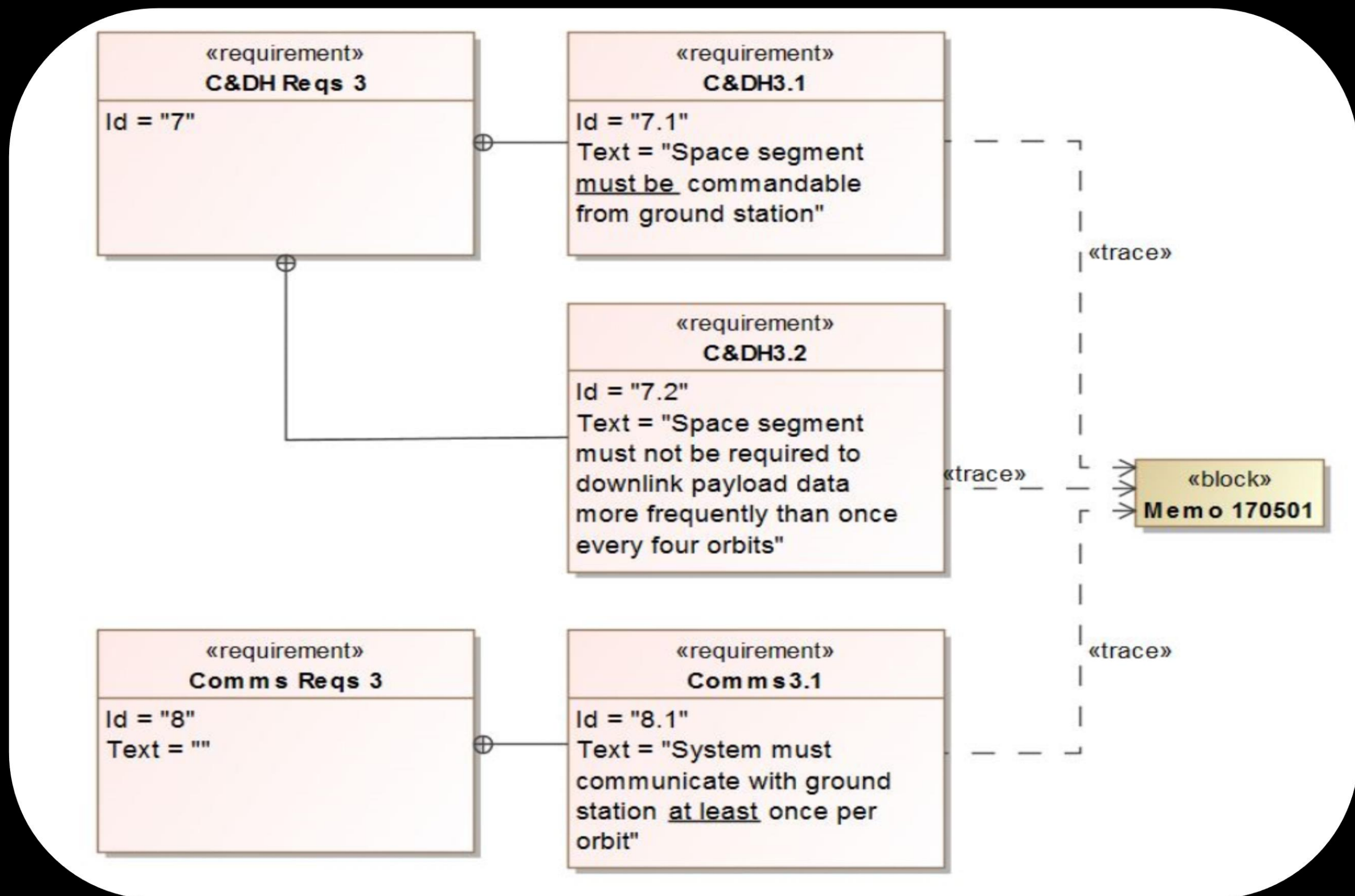
# MBSE

# TECHNIQUES TO

# SPACECRAFT DESIGN

## Transitioning from Document-based to Model-Based Systems Engineering

Concept:



### Benefits

- Improved communication
- Improved consistency
- Easily navigable
- Automated verification
- Early verification
- Design optimisation
- Tailored views
- System simulation
- Reusability

### Steps

- Which spacecraft?
- Choose Language, Tool, Methodology
- Experiment!



Background: Sentinel 1  
Image Credit: Airbus